

Preface

Produced with the collaboration of Christophe Pijolat and Jean Paul Viricelle, this book is the fruit of research carried out over a long period of time by the Microsystems, Instrumentation and Chemical Sensors department at the Ecole des Mines, Saint Etienne, France.

The abilities of this laboratory on the subject of modeling and instrumentation on heterogenous systems have enabled us to develop and study different devices for the detection of gas.

The theoretical models based on kinetic concepts constitute the course of reflection and progress in a scientific area that is still little understood.

A large part of this book refers to PhD and scientific reports. My thanks go out to all the authors.

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